Exercise 14

For the following exercises, determine whether the equation of the curve can be written as a linear function.

$$-\frac{x-3}{5} = 2y$$

Solution

Solve for y.

$$2y = -\frac{1}{5}x + \frac{3}{5}$$

$$y = -\frac{1}{10}x + \frac{3}{10}$$

This equation is a linear function because it's of the form,

$$y = mx + b,$$

with $m = -1/10$ and $b = 3/10$.